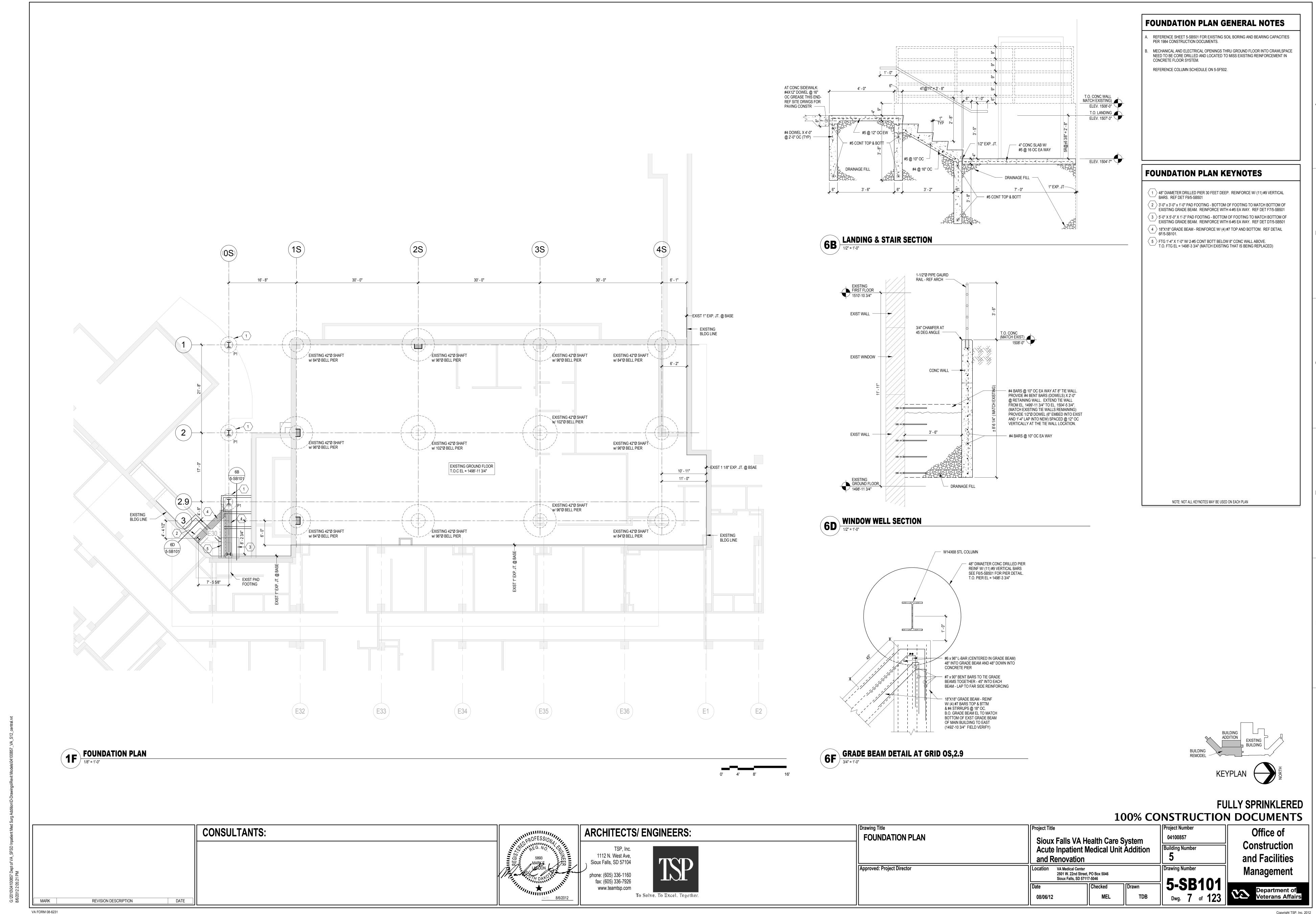
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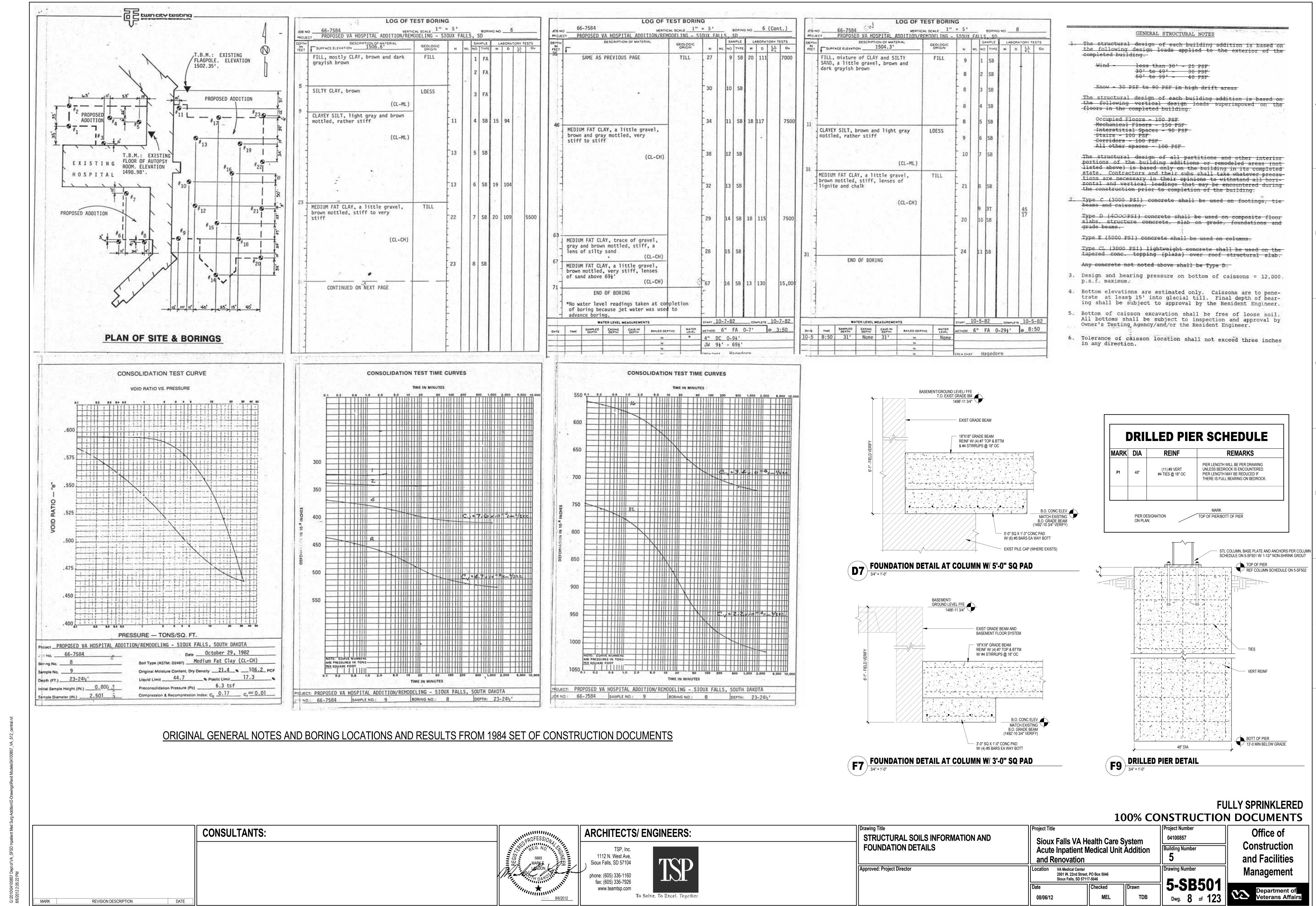
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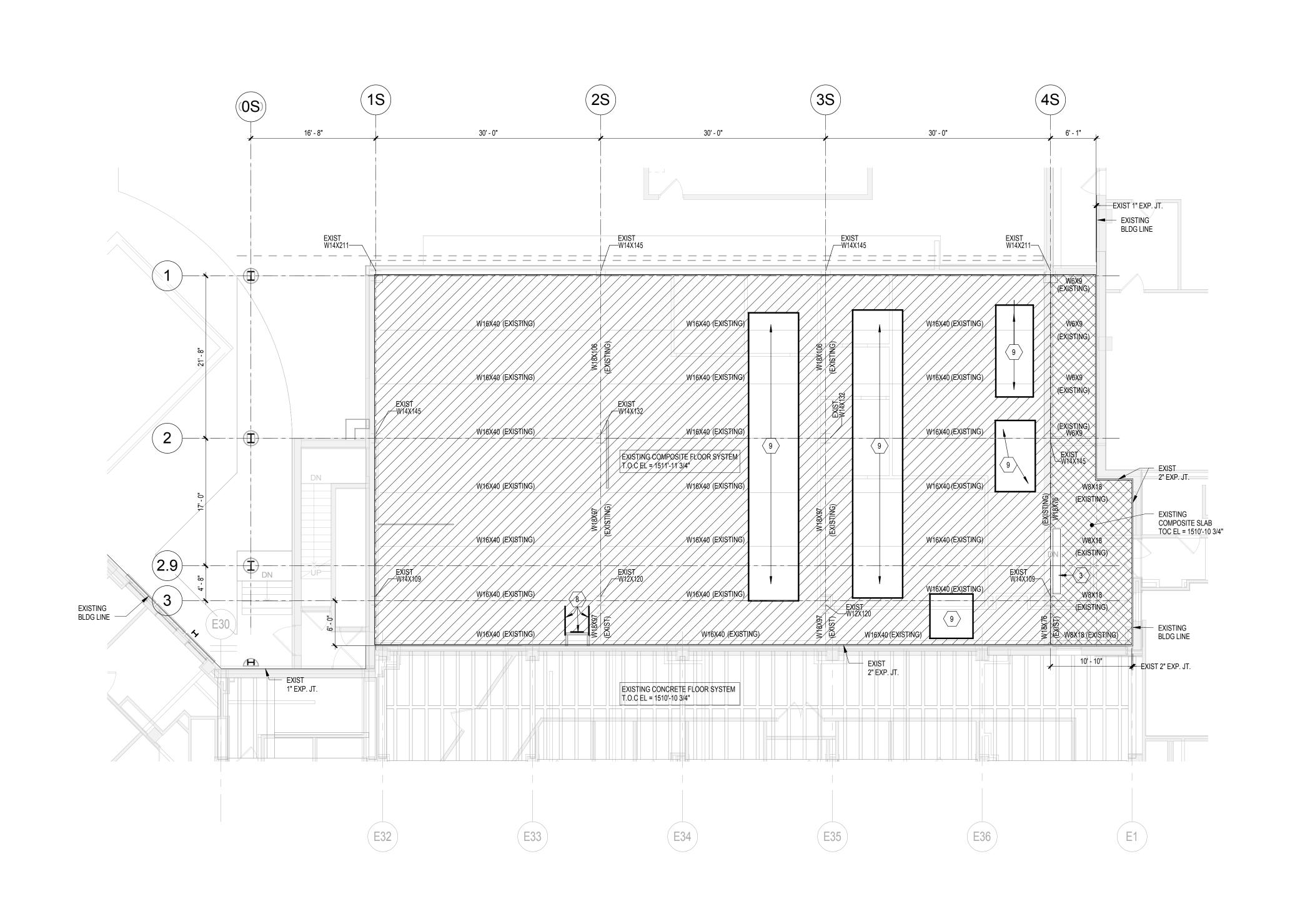


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1F FIRST LEVEL FRAMING PLAN
1/8" = 1'-0"

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FRAMING GENERAL NOTES

PROVIDE FLOOR DRAINS AS SHOWN IN ARCH & MECH DRAWINGS. REFERENCE ARCH AND MECH FOR DRAIN QUANTITIES, LOCATIONS AND FLOOR SLOPE.

INSTALL DECK SUPPORT FRAMING AROUND ALL PENETRATIONS THROUGH STEEL FORM DECK AND STEEL ROOF DECK INCLUDING MECHANICAL OPENINGS AND ROOF

DRAINS. CONTRACTOR TO VERIFY AND COORDINATE LOCATIONS AND QUANTITIES.

REFERENCE SHEET 5-SF502 FOR EXTERIOR NON-BEARING BRICK ANGLE SCHEDULE.

REFERENCE DETAIL 2E/5-SF501. TOP OF STEEL BEAM ELEVATION TO BE LOCATED 6-1/2" BELOW TOP OF SLAB

HATCHED AREA REPRESENTS EXISTING FLOOR SYSTEM TO REMAIN.

ELEVATION, UNO.

REFERENCE COLUMN SCHEDULE ON 5-SF502.

STEEL CONNECTIONS TO BE DESIGNED FOR REACTIONS SHOWN ON PLANS WITH A MINIMUM 5 KIPS REACTION, UNO.

## FRAMING PLAN KEYNOTES

REMOVE CMU BELOW BEAM TO ACCOMODATE OPENING PER ARCHITECTURAL

2 PROVIDE A L6X8X7/16" CLIP AT THIS LOCATION. WELD 6" LEG TO BOTTOM OF BOTTOM FLANGE OF STL BEAM ABOVE. REF DET 6C/5-SF501

4 OPENING IN STRUCTURAL BEAM AT THIS LOCATION. REFERENCE DETAIL

( 3 ) PROVIDE CAST-IN-PLACE CONCRETE STAIR. REFERENCE DETAIL 5C/5-SF501

1C/5-SF501 FOR REINFORCING AND OPENING REQUIREMENTS. REF ARCH AND MECH FOR ADDITIONAL INFORMATION. 5 > HSS4X4X3/16 W/ 1/2" TOP PLATE AND 5"X10"X1" BASE PLATE W/ 2-3/4" DRILL AND EPOXY ANCHORS (4" MIN EMBED) INTO EXISTING FLOOR. PROVIDE

NON-SHRINK GROUT UNDER BASE PLATE. POSITION HSS 4X4 AS CLOSE TO EXIST CONCRETE COLUMN - DRILL THRU STL COLUMN INTO EXISTING CONC COL AND DRILL AND EPOXY 3/4" DIAMETER BOLT W/ HILTI HY150 MAX AT BTTM, HALF HEIGHT AND TOP. REF DETAIL 2B/5-SF501. 6 W6X20 STL BEAM TO SUPPORT PATIENT LIFTS IN EACH NEW PATIENT ROOM -

ATTACH TO STL BEAMS. REF DETAIL 4B/5-SF501 FOR SUPPORT CONNECTIONS. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION AND FURTHER INFORMATION. PARAPET FRAMING: HSS4X2X1/8 COLUMN @ 4'-0" OC W/ #4 (A706) X 2'-0" DOWELS EA SIDE IN COMPOSITE SLAB. INFILL BETWEEN COLUMNS WITH 6"

EACH 4" PER SIDE. REF DETAIL 1B/5-SF501  $\langle$  8  $\rangle$  PROVIDE WELDED ANGLE FRAME AT THIS LOCATION PER DETAIL 2E/5-SF501

TO ACCOMODATE OPENING IN FLOOR SYSTEM.  $\langle$  9  $\rangle$  4" CONCRETE MECHANICAL PAD AT THIS LOCATION. COORDINATE EXACT

METAL STUDS. WELD BTM OF HSS4X2 TO TOP OF BEAM W/ 1/8" FILLET WELD

LOCATION AND SIZE WITH MECHANICAL CONTRACTOR. REFERENCE DETAIL

10 NEW MECH LOUVER AT THIS LOCATION. EXISTING STRUCTURE TO BE VERIFIED - CONTACT ENGINEER ON RECORD TO VERIFY LINTEL REQUIRED ABOVE OPENING. COORD EXACT SIZE AND LOCATION W/ MECH DRAWINGS.

11 W6X20 STL BEAM TO SUPPORT PATIENT LIFTS IN EACH EXISTING PATIENT ROOM -ATTACH TO EXISTING PAN AND JOIST FLOOR SYSTEM. REF DETAIL 7F/5-SF502 FOR SUPPORT CONNECTIONS. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION AND FURTHER INFORMATION.

ALTERNATE #4 - IF PROCEDURE ROOM (310) ALTERNATE IS ACCEPTED, AFTER VERIFICATION OF EXISTING STRUCTURE, PLEASE PROVIDE LIGHTING STRUCTURE PER DETAIL 4D/5-SF502.

13 NEW DOOR TO BE PLACED IN EXISTING WINDOW OPENING ON 4TH LEVEL

VERIFY EXISTING STRUCTURE AND CONTACT ENGINEER ON RECORD TO VERIFY EXISTING LINTEL IN PLACE. COORDINATE WITH ARCHITECTURAL  $\langle$  14  $\rangle$  HSS5X5X3/8" STL COLUMN W/ 1/2" TOP PLATE AND 6"X12"X3/4" BASE PLATE.

PROVIDE NON-SHRINK GROUT UNDER BASE PLATE. CONNECT TO STRUCTURE ABOVE AND BELOW AS SHOWN IN DETAIL 1F/5-SF502.

 $\langle$  15 angle w8 beam located to accomodate plumbing in Wall Below. Coord.  $^\prime$  LOCATION W/ MECH CONTRACTOR AND ARCH. NOTIFY EOR IF SLAB EDGE DIMENSION IS GREATER THAN SHOWN TO VERIFY SLAB EDGE SUPPORT.

 $\langle$  16  $\rangle$  MECH ROOF TOP EQUIPMENT ABOVE AT THIS LOCATION. COORDINATE W/ MECH DRAWINGS AND CONTRACTOR.

17 PROVIDE A 1/2" SINGLE ANGLE AT EACH END OF W8 BEAM TO EXISTING CONC BEAM. WELD ANGLE TO W8 BEAM WEB AND CONNECT TO EXIST CONC BEAM W/ (2) 3/4"Ø DRILL AND EPOXY ANCHORS (HILTI HY150 MAX) W/ 5" EMBED

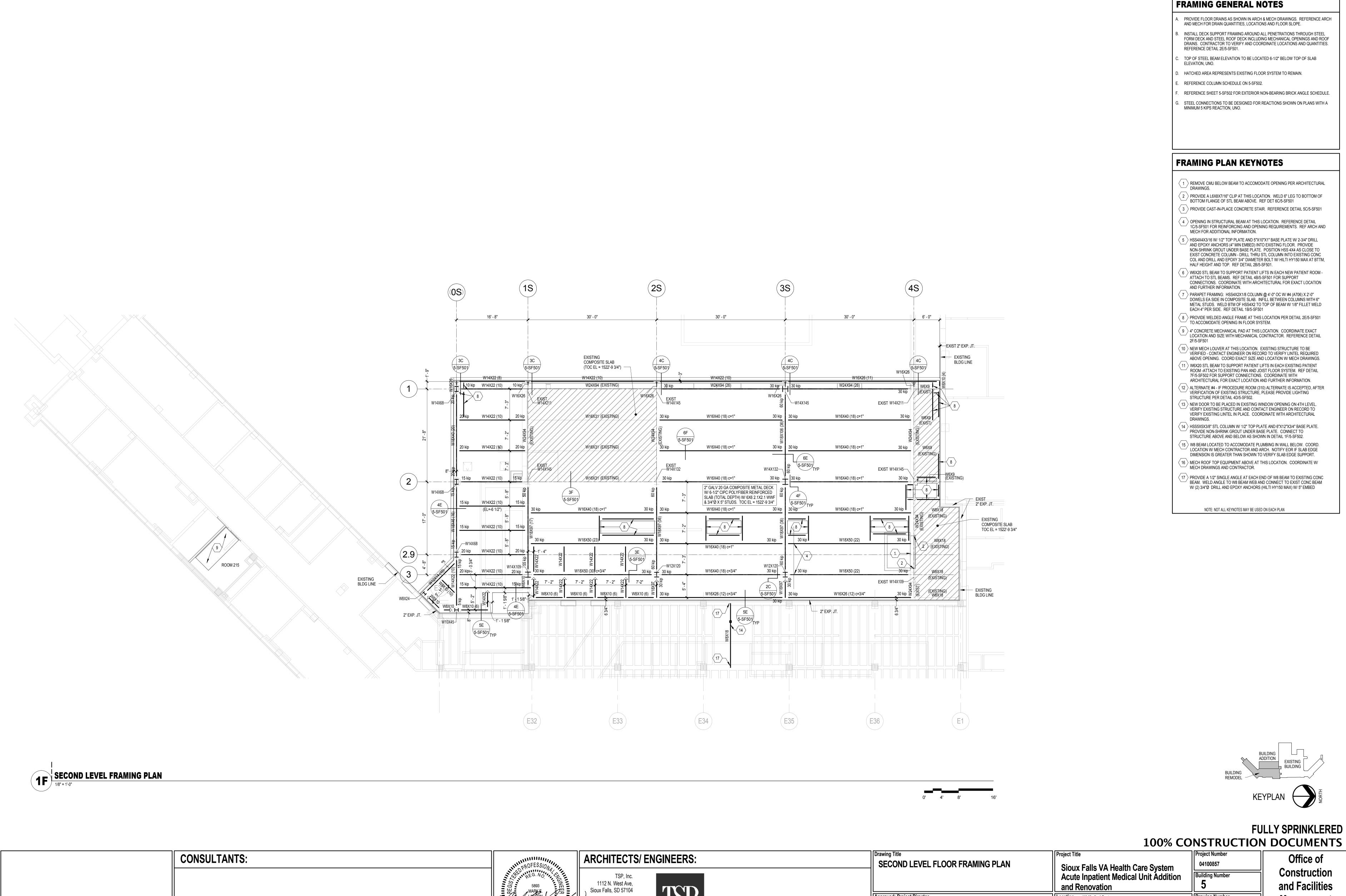
NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH PLAN

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**100% CONSTRUCTION DOCUMENTS CONSULTANTS:** ARCHITECTS/ ENGINEERS: Office of FIRST LEVEL FLOOR FRAMING PLAN 04100857 Sioux Falls VA Health Care System Acute Inpatient Medical Unit Addition Construction and Facilities 1112 N. West Ave, and Renovation Sioux Falls, SD 57104 Approved: Project Director Location VA Medical Center 2501 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046 Management phone: (605) 336-1160 fax: (605) 336-7926 www.teamtsp.com To Solve, To Excel, Together, 08/06/12 REVISION DESCRIPTION DATE

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FRAMING GENERAL NOTES

- PROVIDE FLOOR DRAINS AS SHOWN IN ARCH & MECH DRAWINGS. REFERENCE ARCH AND MECH FOR DRAIN QUANTITIES, LOCATIONS AND FLOOR SLOPE.
- INSTALL DECK SUPPORT FRAMING AROUND ALL PENETRATIONS THROUGH STEEL FORM DECK AND STEEL ROOF DECK INCLUDING MECHANICAL OPENINGS AND ROOF
- TOP OF STEEL BEAM ELEVATION TO BE LOCATED 6-1/2" BELOW TOP OF SLAB
- HATCHED AREA REPRESENTS EXISTING FLOOR SYSTEM TO REMAIN.
- REFERENCE COLUMN SCHEDULE ON 5-SF502.
- REFERENCE SHEET 5-SF502 FOR EXTERIOR NON-BEARING BRICK ANGLE SCHEDULE.
- STEEL CONNECTIONS TO BE DESIGNED FOR REACTIONS SHOWN ON PLANS WITH A

- REMOVE CMU BELOW BEAM TO ACCOMODATE OPENING PER ARCHITECTURAL
- 2 PROVIDE A L6X8X7/16" CLIP AT THIS LOCATION. WELD 6" LEG TO BOTTOM OF
- 3 PROVIDE CAST-IN-PLACE CONCRETE STAIR. REFERENCE DETAIL 5C/5-SF501
- $\langle$  4  $\rangle$  OPENING IN STRUCTURAL BEAM AT THIS LOCATION. REFERENCE DETAIL 1C/5-SF501 FOR REINFORCING AND OPENING REQUIREMENTS. REF ARCH AND MECH FOR ADDITIONAL INFORMATION.
- 5 > HSS4X4X3/16 W/ 1/2" TOP PLATE AND 5"X10"X1" BASE PLATE W/ 2-3/4" DRILL AND EPOXY ANCHORS (4" MIN EMBED) INTO EXISTING FLOOR. PROVIDE NON-SHRINK GROUT UNDER BASE PLATE. POSITION HSS 4X4 AS CLOSE TO EXIST CONCRETE COLUMN - DRILL THRU STL COLUMN INTO EXISTING CONC COL AND DRILL AND EPOXY 3/4" DIAMETER BOLT W/ HILTI HY150 MAX AT BTTM,
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- PARAPET FRAMING: HSS4X2X1/8 COLUMN @ 4'-0" OC W/ #4 (A706) X 2'-0" DOWELS EA SIDE IN COMPOSITE SLAB. INFILL BETWEEN COLUMNS WITH 6" METAL STUDS. WELD BTM OF HSS4X2 TO TOP OF BEAM W/ 1/8" FILLET WELD
- 8 PROVIDE WELDED ANGLE FRAME AT THIS LOCATION PER DETAIL 2E/5-SF501
- $\langle$  9  $\rangle$  4" CONCRETE MECHANICAL PAD AT THIS LOCATION. COORDINATE EXACT
- LOCATION AND SIZE WITH MECHANICAL CONTRACTOR. REFERENCE DETAIL
- VERIFIED CONTACT ENGINEER ON RECORD TO VERIFY LINTEL REQUIRED ABOVE OPENING. COORD EXACT SIZE AND LOCATION W/ MECH DRAWINGS.
- 1 > W6X20 STL BEAM TO SUPPORT PATIENT LIFTS IN EACH EXISTING PATIENT  $^\prime$  ROOM -ATTACH TO EXISTING PAN AND JOIST FLOOR SYSTEM. REF DETAIL 7F/5-SF502 FOR SUPPORT CONNECTIONS. COORDINATE WITH
- 12 ALTERNATE #4 IF PROCEDURE ROOM (310) ALTERNATE IS ACCEPTED, AFTER VERIFICATION OF EXISTING STRUCTURE, PLEASE PROVIDE LIGHTING STRUCTURE PER DETAIL 4D/5-SF502.
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- $\stackrel{\prime}{}$  15  $\stackrel{\rangle}{}$  W8 BEAM LOCATED TO ACCOMODATE PLUMBING IN WALL BELOW. COORD.  $^\prime$  LOCATION W/ MECH CONTRACTOR AND ARCH. NOTIFY EOR IF SLAB EDGE
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NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH PLAN

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Approved: Project Director Location VA Medical Center 2501 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046 08/06/12

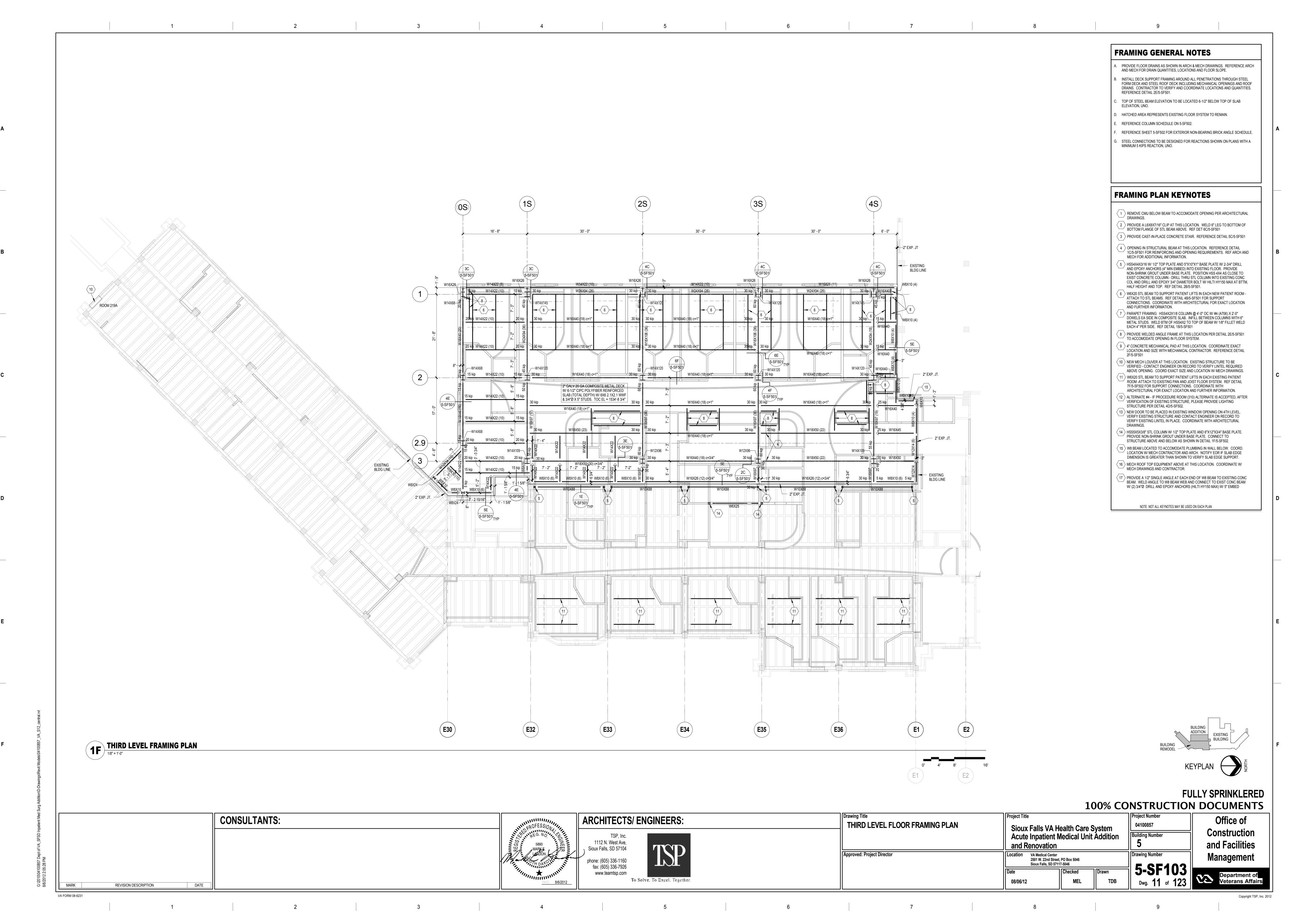
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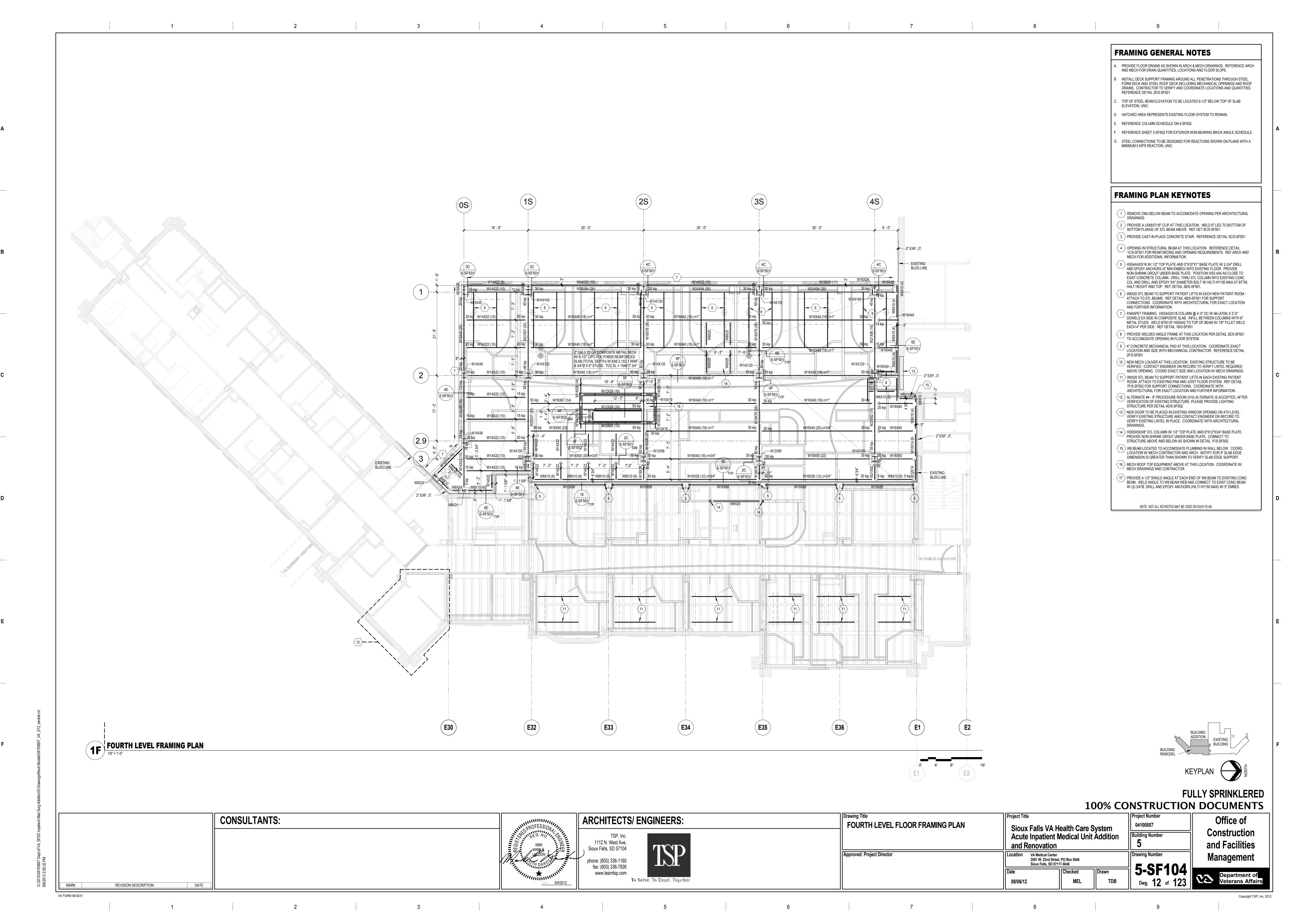
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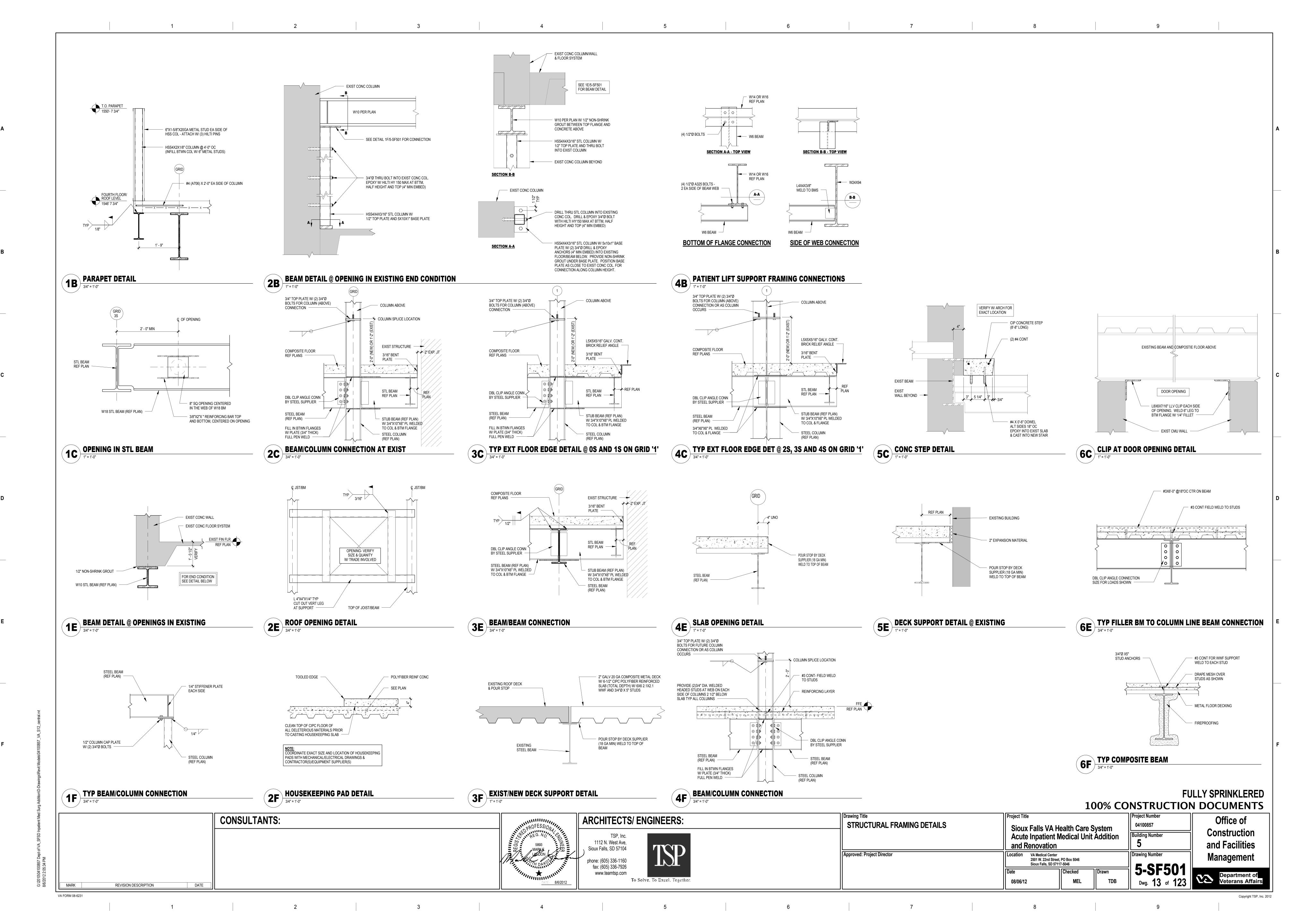
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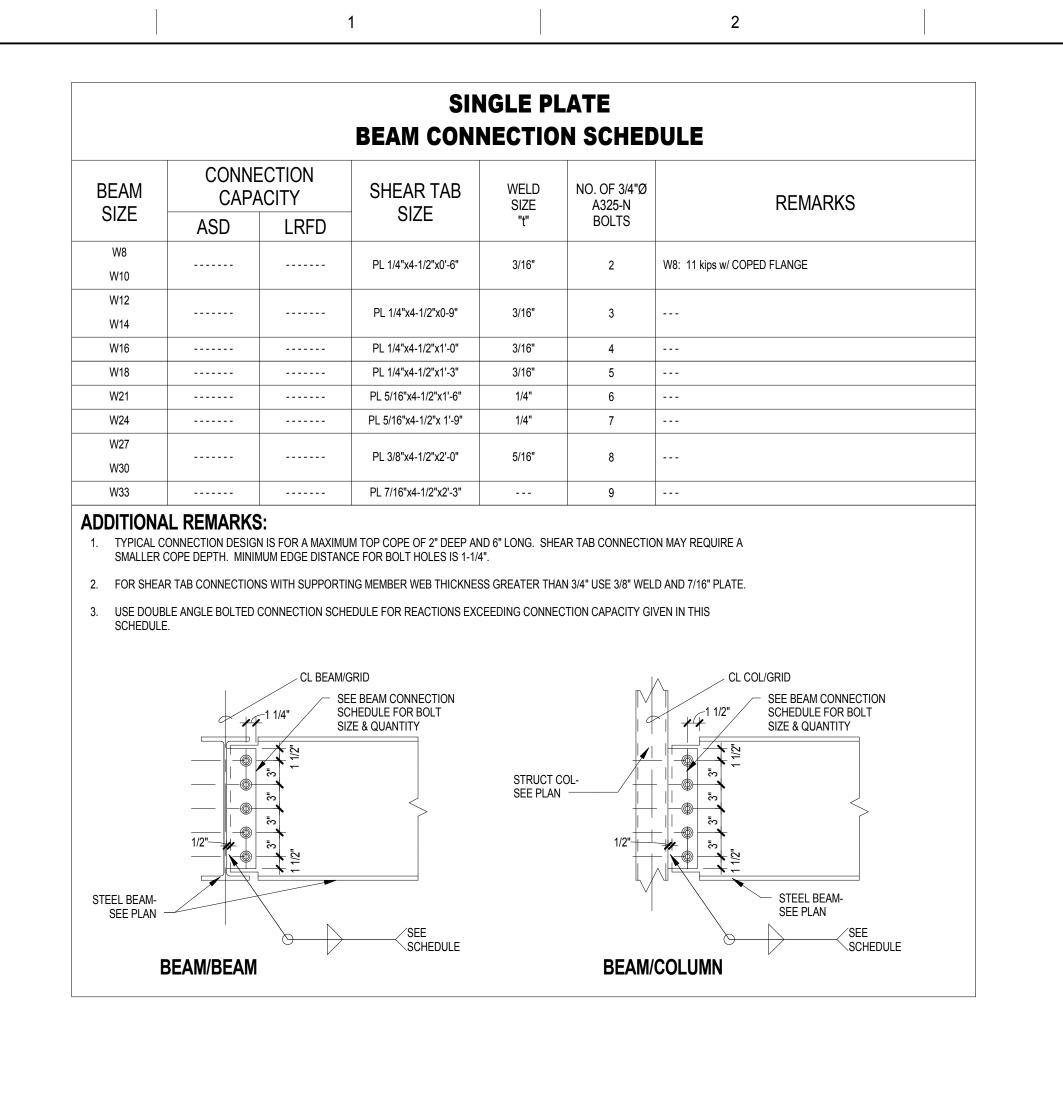
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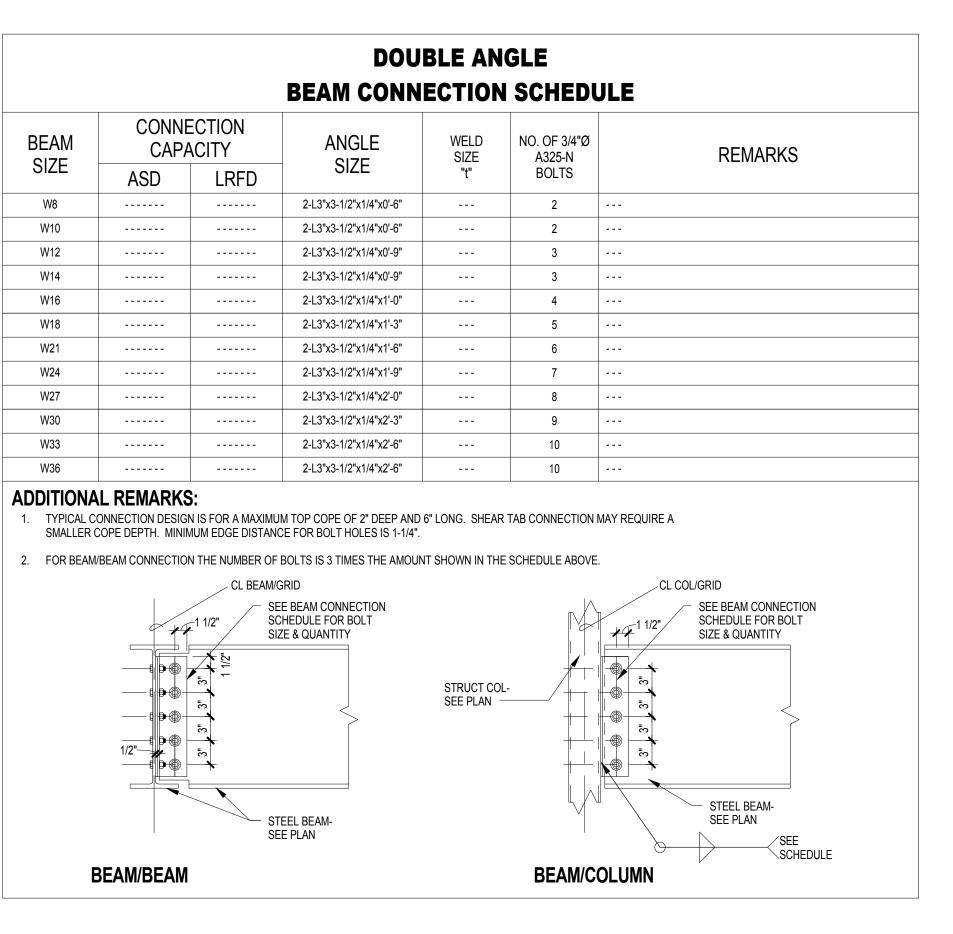
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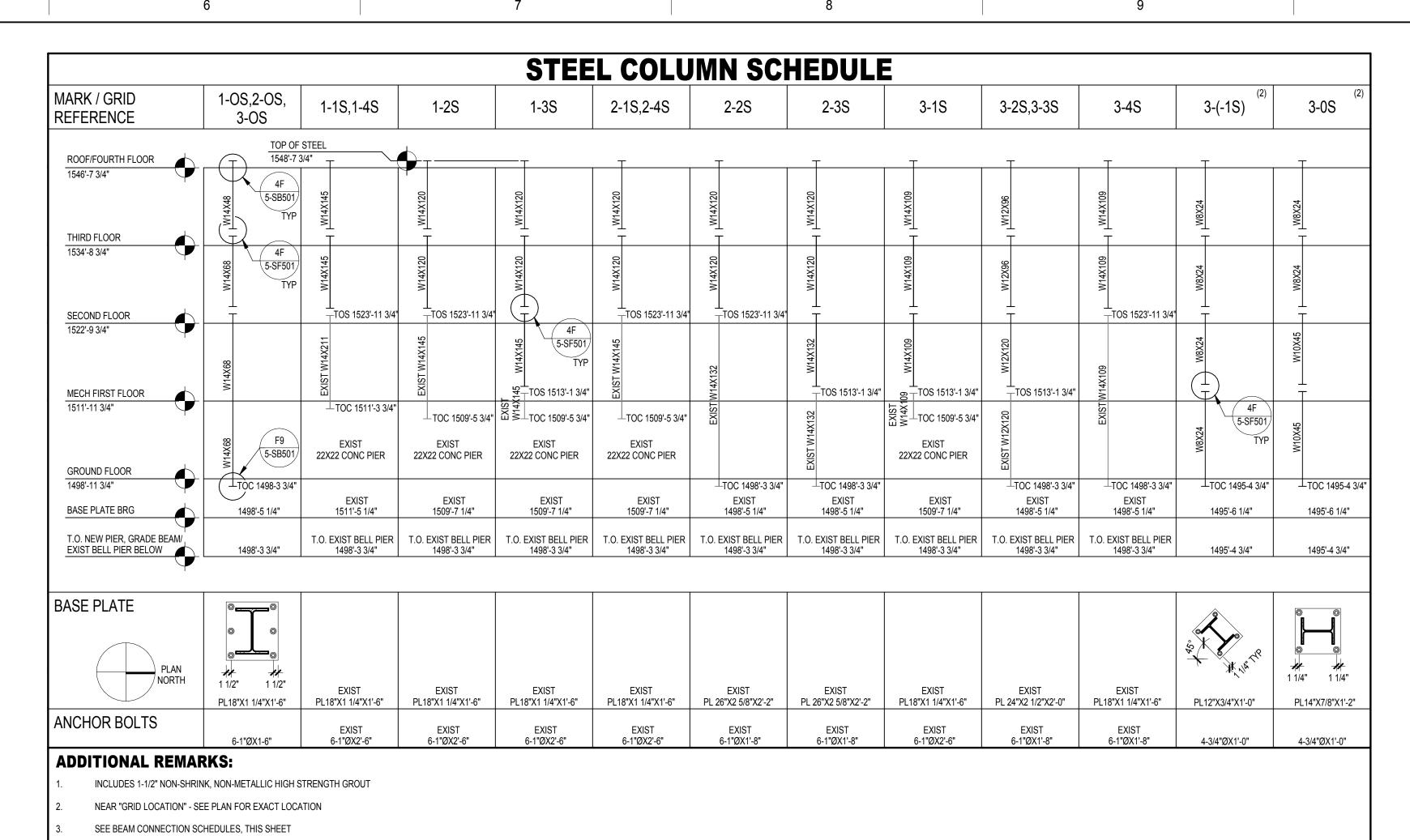
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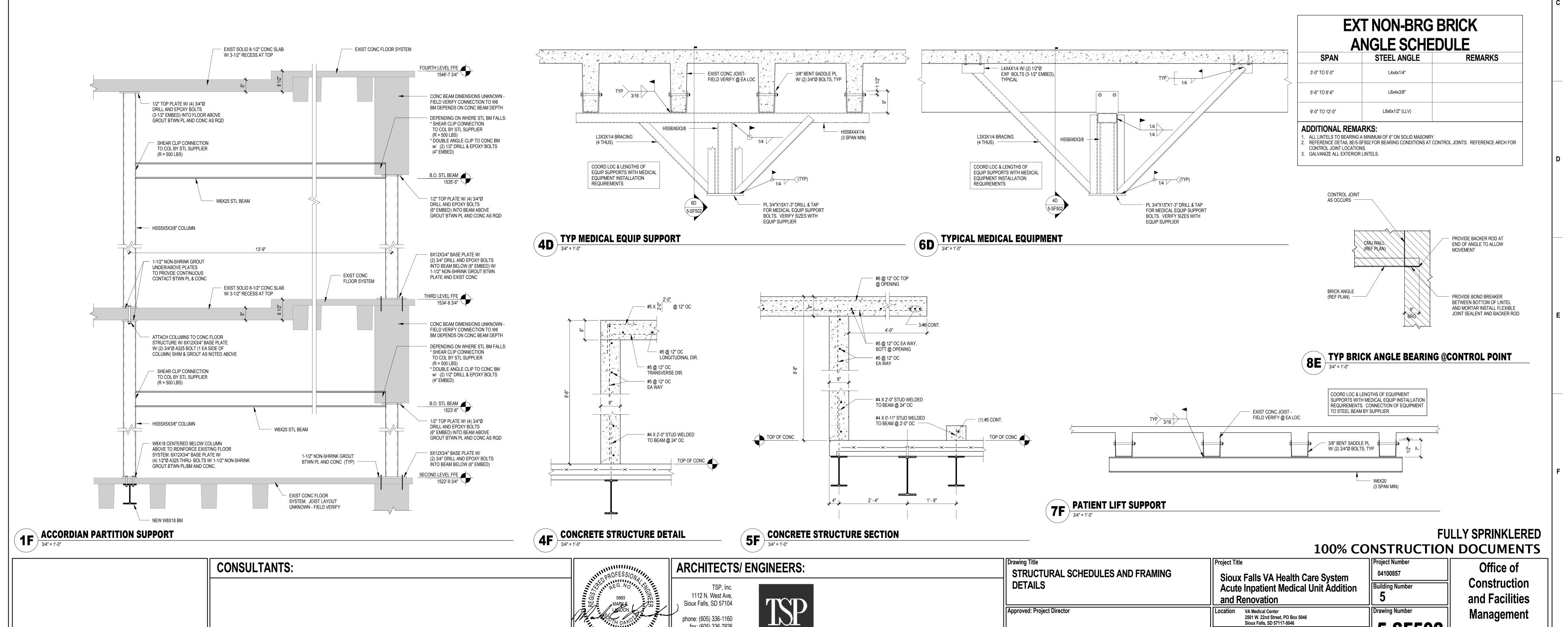
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